

Application No. 09/828,621

Filing Date: April 6, 2001

Applicants: John D. Newbold et al.

For: NOZZLE FOR PRECISION LIQUID DISPENSING AND METHOD OF MAKING

2. *(CANCEL)*
3. *(CANCEL)*
4. The nozzle for delivering a measured quantity of viscous liquid of Claim 1 wherein the ratio of the internal diameter of said exit tube to the wall thickness of said exit tube exceeds 7.5
5. The nozzle for delivering a measured quantity of viscous liquid of Claim 1 wherein said opening is circular and said horizontal perimeter is about 25 mm in diameter.
6. *(CANCEL)*
7. *(AMMEND)* The nozzle for delivering a measured quantity of viscous liquid of Claim 1 wherein said cone-shaped wall extending downward from said circular break point and then inward there from to a circular exit opening has a wall convergence between about 5° and about 20°.
8. *(AMMEND)* The nozzle for delivering a measured quantity of viscous liquid of Claim 1 wherein said cone-shaped wall extending downward from said circular break point and then inward there from to a circular exit opening has a wall convergence of about 10°.
9. *(CANCEL)*
10. *(CANCEL)*

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11. (*AMMEND*) The nozzle for delivering a measured quantity of viscous liquid of Claim 1

wherein said flare wall extends inward from said perimeter about 5mm.

12. (*CANCEL*)

13. (*AMMEND*) The nozzle for delivering a measured quantity of viscous liquid of Claim 1

wherein said cylindrically-shaped barrel wall extends downward from said flare wall at an angle of about 2° with the vertical.

14. (*CANCEL*)

15. (*AMMEND*) The nozzle for delivering a measured quantity of viscous liquid of Claim 1

wherein said cone shaped-wall extends downward from said circular break point at an angle of about 15° with the vertical.

16. (*CANCEL*)

17. (*CANCEL*)

18. (*CANCEL*)

19. (*CANCEL*)

20. (*CANCELLED PER AMMENDMENT A*)